U.S NAT ʲL STAGE WORKSHEET (EO)

U.S. APPL. NO. 10/567749   INTERNATIONAL APPL. EP04/008470

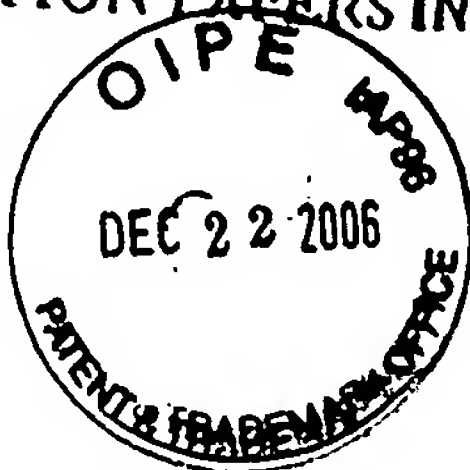APPLICATION FILED BY: 20 MOS. _____ OR 30 MOS. X̶   SCREENED BY

INTERNATIONAL APPLICATION PAPERS IN THE APPLICATION FILE:

X̶ International application
_ Article 19 amendments
X̶ Priority Document(s) No. 3
X̶ Request Form PCT/RO/101
_ PCT/IB/302
X̶ PCT/IB/304
_ PCT/IB/306
X̶ PCT/IB/308
_ PCT/IB/331
_ OTHER PCT/IB 237
PCT/IPEA/409 also 416

(stamp: OIPE DEC 22 2006 PATENT & TRADEMARK OFFICE)

___ 409 annexes to IPER
___ PCT/ISA/210 (Search report)
X̶ Search report References
___ Other Papers filed

WIPO PUBLICATION
PUBLICATION NO. WO 05-014843
PUBLICATION DATE 17-02-05
PUBLICATION LANG., ENGL-15 H
NOT PUBLISHED
___ U.S. only   _____ Requested

ʞEIVED FROM THE APPLICANT: (other than checked above)

X̶ ʹational application basic fee paid
_ ʹpress Processing Requested
_ ʹanslation of the International Application
_ ʹsed the IB copy of the IA
_ ʹescription
_ ʹalms
_ ʹʳawings ◯
_ ʹeign Language in drawing
_ ʹcle 19 Amendments
_ ʹendment used in application
_ ʹcle 34 Amendment
_ ʹendment used in application
_ ʹA
_ ʹ4 transaction done

X̶ Preliminary Amendment(s) filed 10 Feb 2005
___ second submission
___ Information Disclosure Statement
___ second submission
___ Assignment
___ Forward to Assignment Branch
X̶ Substitute Specification 10 Feb 2005
___ Small Entity Statement
___ type
X̶ Oath/Declaration (date submitted 10 Feb 2005
___ Not executed
X̶ Executed
___ Power of Attorney
___ Change of Address

data sheet

	DATE
C Receipt of Request (PTO — 1399 Transmittal Letter)	10 Feb 2005
ʹceptable oath/declaration received	10 Feb 2005
Date	10 Feb 2005
ʹmplete 35 USC 371 requirements met	10 Feb 2005

DATE NOTICE COMPLETED

ʹ903	Notice of Acceptance	
ʹ905	Notice of Missing Requirements	
ʹ917	Notice of A defective oath or declaration	
ʹ916	Notice of defective response	

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

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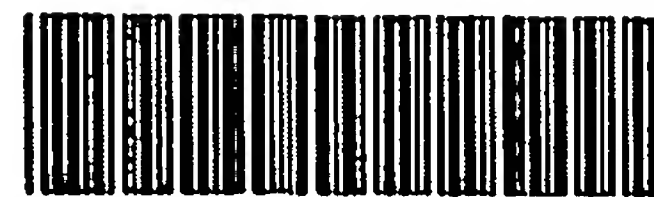Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
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Revised 01/10/06

IFWP

RAW SEQUENCE LISTING   DATE: 02/28/2006
PATENT APPLICATION: US/10/567,749   TIME: 12:03:09

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Output Set: N:\CRF4\02282006\J567749.raw

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030235
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C--> 4 <141> CURRENT FILING DATE: 2006-02-10

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106 65   70   75   80
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116   115   120   125
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119   130   135   140
121 Tyr Ala Thr Trp Trp Ile Arg Gln Thr Ile Glu Arg Ala Ile Met Asn
122 145   150   155   160
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125   165   170   175
127 Val Tyr Leu Arg Thr Ala Arg Glu Leu Ser His Lys Leu Asp His Glu
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130 Pro Ser Ala Glu Glu Ile Ala Glu Gln Leu Asp Lys Pro Val Asp Asp
131   195   200   205
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134 210   215   220

Does Not Comply
Corrected Diskette Needed
(pg 1 - 11)

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PATENT APPLICATION: US/10/567,749   TIME: 12:03:09

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143             260             265             270
145 Val Leu Ala Arg Arg Phe Gly Leu Leu Gly Tyr Glu Ala Ala Thr Leu
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149     290             295             300
151 Ile Gln Val Glu Gly Leu Arg Arg Leu Arg Glu Ile Leu Gln Thr Gln
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169 taccttggtg agattggtta ttcaccactg ttaacggccg aagaagaagt ttattttgcg  240
171 cgtcgcgcac tgcgtggaga tgtcgcctct cgccgccgga tgatcgagag taacttgcgt  300
173 ctggtggtaa aaattgcccg ccgttatggc aatcgtggtc tggcgttgct ggaccttatc  360
175 gaagagggca acctggggct gatccgcgcg gtagagaagt ttgacccgga acgtggtttc  420
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179 caaacccgta ctattcgttt gccgattcac atcgtaaagg agctgaacgt ttacctgcga  540
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183 caactggata agccagttga tgacgtcagc cgtatgcttc gtcttaacga gcgcattacc  660
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189 aaatggctgt tcgagctgaa cgccaaacag cgtgaagtgc tggcacgtcg attcggtttg  840
191 ctggggtacg aagcggcaac actggaagat gtaggtcgtg aaattggcct cacccgtgaa  900
193 cgtgttcgcc agattcaggt tgaaggcctg cgccgtttgc gcgaaatcct gcaaacgcag  960
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    220 Pro Leu Gln Lys Met Glu Lys Leu Ser Ser Arg Leu Asp Asn Val Ile
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    223 ctg gtg aag cgc gaa gat cgc cag cca gtg cac agc ttt aag ctg cgc       192
    224 Leu Val Lys Arg Glu Asp Arg Gln Pro Val His Ser Phe Lys Leu Arg
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    233                 85                  90                  95
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    243 ctg ctc cac ggc gcg aac ttt gat gaa gcg aaa gcc aaa gcg atc gaa       432
    244 Leu Leu His Gly Ala Asn Phe Asp Glu Ala Lys Ala Lys Ala Ile Glu
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    251 atg gtg att gcc ggg caa ggc acg ctg gcg ctg gaa ctg ctc cag cag       528
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    260 Ala Ala Gly Val Ala Val Leu Ile Lys Gln Leu Met Pro Gln Ile Lys
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    266         210                 215                 220
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    272 ggc gta gcg gta aaa cgc atc ggt gac gaa acc ttc cgt tta tgc cag       768
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292 ttc cac ggc ctg cgc tac gtc tca gaa cgc tgc gaa ctg ggc gaa cag     1008
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296 cgt gaa gcg ttg ttg gcg gtg acc att ccg gaa gaa aaa ggc agc ttc     1056
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369           115                120                125
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400           275                280                285
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403           290                295                300
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408 Phe His Gly Leu Arg Tyr Val Ser Glu Arg Cys Glu Leu Gly Glu Gln
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PATENT APPLICATION: US/10/567,749   TIME: 12:03:09

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415			355				360				365	
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426	Leu	His	Val	Arg	Tyr	Met	Val	Gly	Gly	Arg	Pro	Ser	His	Pro	Leu	Gln
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Output Set: N:\CRF4\02282006\J567749.raw

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489 Leu Leu His Gly Ala Asn Phe Asp Glu Ala Lys Ala Lys Ala Ile Glu
490     130             135             140
492 ctg tca cag cag cag ggg ttc acc tgg gtg ccg ccg ttc gac cat ccg        480
493 Leu Ser Gln Gln Gln Gly Phe Thr Trp Val Pro Pro Phe Asp His Pro
494 145             150             155             160
496 atg gtg att gcc ggg caa ggc acg ctg gcg ctg gaa ctg ctc cag cag        528
497 Met Val Ile Ala Gly Gln Gly Thr Leu Ala Leu Glu Leu Leu Gln Gln
498             165             170             175
500 gac gcc cat ctc gac cgc gta ttt gtg cca gtc ggc ggc ggc ggt ctg        576
501 Asp Ala His Leu Asp Arg Val Phe Val Pro Val Gly Gly Gly Gly Leu
502     180             185             190
504 gct gct ggc gtg gcg gtg ctg atc aaa caa ttg atg ccg caa atc aaa        624
505 Ala Ala Gly Val Ala Val Leu Ile Lys Gln Leu Met Pro Gln Ile Lys
506     195             200             205
509 gtg atc gcc gta gaa gcg gaa gac tcc gcc tgc ctg aaa gca gcg ctg        672
510 Val Ile Ala Val Glu Ala Glu Asp Ser Ala Cys Leu Lys Ala Ala Leu
511     210             215             220
513 gat gcg ggt cat ccg gtt gat ctg ccg cgc gta ggg cta ttt gct gaa        720
514 Asp Ala Gly His Pro Val Asp Leu Pro Arg Val Gly Leu Phe Ala Glu
515 225             230             235             240
517 ggc gta gcg gta aaa cgc atc ggt gac gaa acc ttc cgt tta tgc cag        768
518 Gly Val Ala Val Lys Arg Ile Gly Asp Glu Thr Phe Arg Leu Cys Gln
519             245             250             255
521 gag tat ctc gac gac atc atc acc gtc gat agc gat gcg atc tgt gcg        816
522 Glu Tyr Leu Asp Asp Ile Ile Thr Val Asp Ser Asp Ala Ile Cys Ala
523             260             265             270
525 gcg atg aag gat tta ttc gaa gat gtg cgc gcg gtg gcg aaa ccc tct        864
526 Ala Met Lys Asp Leu Phe Glu Asp Val Arg Ala Val Ala Lys Pro Ser
527             275             280             285
529 ggc gcg ctg gcg ctg gcg gga atg aaa aaa tat atc gcc ctg cac aac        912
530 Gly Ala Leu Ala Leu Ala Gly Met Lys Lys Tyr Ile Ala Leu His Asn
531 290             295             300
533 att cgc ggc gaa cgg ctg gcg cat att ctt tcc ggt gcc aac gtg aac        960
534 Ile Arg Gly Glu Arg Leu Ala His Ile Leu Ser Gly Ala Asn Val Asn
535 305             310             315             320
537 ttc cac ggc ctg cgc tac gtc tca gaa cgc tgc gaa ctg ggc gaa cag       1008
538 Phe His Gly Leu Arg Tyr Val Ser Glu Arg Cys Glu Leu Gly Glu Gln
539             325             330             335
541 cgt gaa gcg ttg ttg gcg gtg acc att ccg gaa gaa aaa ggc agc ttc       1056
542 Arg Glu Ala Leu Leu Ala Val Thr Ile Pro Glu Glu Lys Gly Ser Phe
543             340             345             350
545 ctc aaa ttc tgc caa ctg ctt ggc ggg cgt tcg gtc acc gag ttc aac       1104
```

```
546 Leu Lys Phe Cys Gln Leu Leu Gly Gly Arg Ser Val Thr Glu Phe Asn
547     355             360             365
549 tac cgt ttt gcc gat gcc aaa aac gcc tgc atc ttt gtc ggt gtg cgc    1152
550 Tyr Arg Phe Ala Asp Ala Lys Asn Ala Cys Ile Phe Val Gly Val Arg
551     370             375             380
553 ctg agc cgc ggc ctc gaa gag cgc aaa gaa att ttg cag atg ctc aac    1200
554 Leu Ser Arg Gly Leu Glu Glu Arg Lys Glu Ile Leu Gln Met Leu Asn
555 385             390             395             400
557 gac ggc ggc tac agc gtg gtt gat ctc tcc gac gac gaa atg gcg aag    1248
558 Asp Gly Gly Tyr Ser Val Val Asp Leu Ser Asp Asp Glu Met Ala Lys
559             405             410             415
561 cta cac gtg cgc tat atg gtc ggc gga cgt cca tcg cat ccg ttg cag    1296
562 Leu His Val Arg Tyr Met Val Gly Gly Arg Pro Ser His Pro Leu Gln
563             420             425             430
565 gaa cgc ctc tac agc ttc gaa ttc ccg gaa tca ccg ggc gcg ctg ctg    1344
566 Glu Arg Leu Tyr Ser Phe Glu Phe Pro Glu Ser Pro Gly Ala Leu Leu
567             435             440             445
569 cgc ttc ctc aac acg ctg ggt acg tac tgg aac att tct ttg ttc cac    1392
570 Arg Phe Leu Asn Thr Leu Gly Thr Tyr Trp Asn Ile Ser Leu Phe His
571     450             455             460
574 tat cgc agc cat ggc acc gac tac ggg cgc gta ctg gcg gcg ttc gaa    1440
575 Tyr Arg Ser His Gly Thr Asp Tyr Gly Arg Val Leu Ala Ala Phe Glu
576 465             470             475             480
578 ctt ggc gac cat gaa ccg gat ttc gaa acc cgg ctg aat gag ctg ggc    1488
579 Leu Gly Asp His Glu Pro Asp Phe Glu Thr Arg Leu Asn Glu Leu Gly
580             485             490             495
582 tac gat tgc cac gac gaa acc aat aac ccg gcg ttc agg ttc ttt ttg    1536
583 Tyr Asp Cys His Asp Glu Thr Asn Asn Pro Ala Phe Arg Phe Phe Leu
584             500             505             510
586 gcg ggt tag                                                        1545
587 Ala Gly
```

B--> 590 <210> SEQ ID NO: 8 <211> 514 <212> PRT <213> Escherichia coli
B--> 591
B--> 591
B--> 591
W--> 591 <400> SEQUENCE: 8

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592 Met Ala Asp Ser Gln Pro Leu Ser Gly Ala Pro Glu Gly Ala Glu Tyr
593 1               5               10              15
595 Leu Arg Ala Val Leu Arg Ala Pro Val Tyr Glu Ala Ala Gln Val Thr
596             20              25              30
598 Pro Leu Gln Lys Met Glu Lys Leu Ser Ser Arg Leu Asp Asn Val Ile
599             35              40              45
601 Leu Val Lys Arg Glu Asp Arg Gln Pro Val His Ser Phe Lys Leu Arg
602 50              55              60
604 Gly Ala Tyr Ala Met Met Ala Gly Leu Thr Glu Glu Gln Lys Ala His
605 65              70              75              80
607 Gly Val Ile Thr Ala Ser Ala Gly Asn His Ala Gln Gly Val Ala Phe
608             85              90              95
610 Ser Ser Ala Arg Leu Gly Val Lys Ala Leu Ile Val Met Pro Thr Ala
```

```
611                100              105              110
613 Thr Ala Asp Ile Lys Val Asp Ala Val Arg Gly Phe Gly Gly Glu Val
614         115              120              125
616 Leu Leu His Gly Ala Asn Phe Asp Glu Ala Lys Ala Lys Ala Ile Glu
617         130              135              140
619 Leu Ser Gln Gln Gln Gly Phe Thr Trp Val Pro Pro Phe Asp His Pro
620 145              150              155              160
622 Met Val Ile Ala Gly Gln Gly Thr Leu Ala Leu Glu Leu Leu Gln Gln
623              165              170              175
625 Asp Ala His Leu Asp Arg Val Phe Val Pro Val Gly Gly Gly Gly Leu
626         180              185              190
629 Ala Ala Gly Val Ala Val Leu Ile Lys Gln Leu Met Pro Gln Ile Lys
630         195              200              205
632 Val Ile Ala Val Glu Ala Glu Asp Ser Ala Cys Leu Lys Ala Ala Leu
633         210              215              220
635 Asp Ala Gly His Pro Val Asp Leu Pro Arg Val Gly Leu Phe Ala Glu
636 225              230              235              240
638 Gly Val Ala Val Lys Arg Ile Gly Asp Glu Thr Phe Arg Leu Cys Gln
639              245              250              255
641 Glu Tyr Leu Asp Asp Ile Ile Thr Val Asp Ser Asp Ala Ile Cys Ala
642              260              265              270
644 Ala Met Lys Asp Leu Phe Glu Asp Val Arg Ala Val Ala Lys Pro Ser
645         275              280              285
647 Gly Ala Leu Ala Leu Ala Gly Met Lys Lys Tyr Ile Ala Leu His Asn
648         290              295              300
650 Ile Arg Gly Glu Arg Leu Ala His Ile Leu Ser Gly Ala Asn Val Asn
651 305              310              315              320
653 Phe His Gly Leu Arg Tyr Val Ser Glu Arg Cys Glu Leu Gly Glu Gln
654              325              330              335
656 Arg Glu Ala Leu Leu Ala Val Thr Ile Pro Glu Glu Lys Gly Ser Phe
657         340              345              350
659 Leu Lys Phe Cys Gln Leu Leu Gly Gly Arg Ser Val Thr Glu Phe Asn
660         355              360              365
662 Tyr Arg Phe Ala Asp Ala Lys Asn Ala Cys Ile Phe Val Gly Val Arg
663 370              375              380
665 Leu Ser Arg Gly Leu Glu Glu Arg Lys Glu Ile Leu Gln Met Leu Asn
666 385              390              395              400
668 Asp Gly Gly Tyr Ser Val Val Asp Leu Ser Asp Asp Glu Met Ala Lys
669              405              410              415
671 Leu His Val Arg Tyr Met Val Gly Gly Arg Pro Ser His Pro Leu Gln
672         420              425              430
674 Glu Arg Leu Tyr Ser Phe Glu Phe Pro Glu Ser Pro Gly Ala Leu Leu
675         435              440              445
677 Arg Phe Leu Asn Thr Leu Gly Thr Tyr Trp Asn Ile Ser Leu Phe His
678 450              455              460
680 Tyr Arg Ser His Gly Thr Asp Tyr Gly Arg Val Leu Ala Ala Phe Glu
681 465              470              475              480
683 Leu Gly Asp His Glu Pro Asp Phe Glu Thr Arg Leu Asn Glu Leu Gly
684              485              490              495
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RAW SEQUENCE LISTING   DATE: 02/28/2006
PATENT APPLICATION: US/10/567,749   TIME: 12:03:09

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\02282006\J567749.raw

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      686 Tyr Asp Cys His Asp Glu Thr Asn Asn Pro Ala Phe Arg Phe Phe Leu
      687             500                 505                 510
      689 Ala Gly
E--> 692 <210> SEQ ID NO: 9<211> 1548<212> DNA<213> Escherichia coli
W--> 694 <220> FEATURE:<221> DNA<222> (1)..(1548)<223>
W--> 695
E--> 691
E--> 698
E--> 698
      698 <400> SEQUENCE: 9
      699 tcgcgatctg gtactgtaag gggaaataga gatgacacac gataataaat tgcaggttga      60
      701 agctattaaa cgcggcacgg taattgacca tatccccgcc cagatcggtt ttaagctgtt     120
      703 gagtctgttc aagctgaccg aaacggatca gcgcatcacc attggtctga acctgccttc     180
      705 tggcgagatg ggccgcaaag atctgatcaa aatcgaaaat acctttttga gtgaagatca     240
      707 agtagatcaa ctggcattgt atgcgccgca agccacggtt aaccgtatcg acaactatga     300
      709 agtggtgggt aaatcgcgcc caagtctgcc ggagcgcatc gacaatgtgc tggtctgccc     360
      711 gaacagcaac tgtatcagcc atgccgaacc ggtttcatcc agctttgccg tgcgaaaacg     420
      713 cgccaatgat atcgcgctca aatgcaaata ctgtgaaaaa gagtttttcc ataatgtggt     480
      715 gctggcacct taattgcggt tggtaataaa agtctcgctc cctata atc agc cag     535
      716                                                         Met Ser Gln
      717                                                          1
      719 act ttt tac cgc tgt aat aaa gga gaa atc atg agc aaa act atc gcg     583
      720 Thr Phe Tyr Arg Cys Asn Lys Gly Glu Ile Met Ser Lys Thr Ile Ala
      721   5                  10                  15
      723 acg gaa aat gca ccg gca gct atc ggt cct tac gta cag ggc gtt gat     631
      724 Thr Glu Asn Ala Pro Ala Ala Ile Gly Pro Tyr Val Gln Gly Val Asp
      725 20                  25                  30                  35
      727 ctg ggc aat atg atc atc acc tcc ggt cag atc ccg gta aat ccg aaa     679
      728 Leu Gly Asn Met Ile Ile Thr Ser Gly Gln Ile Pro Val Asn Pro Lys
      729                  40                  45                  50
      731 acg ggc gaa gta ccg gca gac gtc gct gca cag gca cgt cag tcg ctg     727
      732 Thr Gly Glu Val Pro Ala Asp Val Ala Ala Gln Ala Arg Gln Ser Leu
      733                  55                  60                  65
      735 gat aac gta aaa gcg atc gtc gaa gcc gct ggc ctg aaa gtg ggc gac     775
      736 Asp Asn Val Lys Ala Ile Val Glu Ala Ala Gly Leu Lys Val Gly Asp
      737             70                  75                  80
      739 atc gtt aaa act acc gtg ttt gta aaa gat ctg aac gac ttc gca acc     823
      740 Ile Val Lys Thr Thr Val Phe Val Lys Asp Leu Asn Asp Phe Ala Thr
      741   85                  90                  95
      743 gta aac gcc act tac gaa gcc ttc ttc acc gaa cac aac gcc acc ttc     871
      744 Val Asn Ala Thr Tyr Glu Ala Phe Phe Thr Glu His Asn Ala Thr Phe
      745 100                 105                 110                 115
      747 ccg gca cgt tct tgc gtt gaa gtt gcc cgt ctg ccg aaa gac gtg aag     919
      748 Pro Ala Arg Ser Cys Val Glu Val Ala Arg Leu Pro Lys Asp Val Lys
      749                 120                 125                 130
      752 att gag atc gaa gcg atc gct gtt cgt cgc taa tcttgatgga aatccgggct     972
      753 Ile Glu Ile Glu Ala Ile Ala Val Arg Arg
      754             135                 140
      756 atcatgcccg gattaagtct gatgacaaac gcaaatcgc ctgatgcgct acgcttatca    1032
```

```
758 ggcctacgtg attcctgcaa tttattgaat ttgttggccg gataaggcat ttacgccgca    1092
760 tccggcatga acaaaactca ctttgtctac aatctgaatc ggggctatcg tgcccagttt    1152
762 attctttatt gccagccgta acgacggcta tagaaccctt tcaccaactg ggttaatgtc    1212
764 atataccctg ccagaatcgc aaccagccac gggaaatagc ttaacggcag cgcctgtaat    1272
766 tgcagataac tggccagcgg tgaaaacggc aatgcgatcc cgacaatcat cacgatcacg    1332
768 gtcatgatca ttaacggcca cgatgcacag ctctgaataa acggcacacg gcgggtgcgg    1392
770 atcatatgca caatcagcgt ttgcgacagt aagcccacca caaaccatcc cgactggaac    1452
772 agcgtttgcg tttccggcgt gttggcatgg aatacccacc acatcaggca aaacgtcaaa    1512
774 atatcgaaga tcgagctgat cggtccgaag aagatc                              1548
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E--> 777 <210> SEQ ID NO: 10<211> 141<212> PRT<213> Escherichia coli
E--> 776
E--> 778
E--> 778
W--> 778 <400> SEQUENCE: 10

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779 Met Ser Gln Thr Phe Tyr Arg Cys Asn Lys Gly Glu Ile Met Ser Lys
780 1               5                   10                  15
782 Thr Ile Ala Thr Glu Asn Ala Pro Ala Ala Ile Gly Pro Tyr Val Gln
783             20                  25                  30
785 Gly Val Asp Leu Gly Asn Met Ile Ile Thr Ser Gly Gln Ile Pro Val
766         35                  40                  45
788 Asn Pro Lys Thr Gly Glu Val Pro Ala Asp Val Ala Ala Gln Ala Arg
789     50                  55                  60
791 Gln Ser Leu Asp Asn Val Lys Ala Ile Val Glu Ala Ala Gly Leu Lys
792 65                  70                  75                  80
794 Val Gly Asp Ile Val Lys Thr Thr Val Phe Val Lys Asp Leu Asn Asp
795                 85                  90                  95
797 Phe Ala Thr Val Asn Ala Thr Tyr Glu Ala Phe Phe Thr Glu His Asn
798             100                 105                 110
800 Ala Thr Phe Pro Ala Arg Ser Cys Val Glu Val Ala Arg Leu Pro Lys
801         115                 120                 125
803 Asp Val Lys Ile Glu Ile Glu Ala Ile Ala Val Arg Arg
804     130                 135                 140
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/567,749

DATE: 02/28/2006
TIME: 12:03:11

Input Set : A:\pto.da.txt
Output Set: N:\CRF4\02282006\J567749.raw

L:4 M:270 C: Current Application Number differs, Replaced Current Application No
L:4 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:0 M:282 E: Numeric Field Identifier Missing, <120> TITLE INVENTION
L:0 M:201 W: Mandatory field data missing, <130> FILE REFERENCE
L:4 M:283 W: Missing Blank Line separator, <160> field identifier
L:5 M:281 W: Numeric Fields not Ordered, <220> not ordered!.
L:5 M:283 W: Missing Blank Line separator, <220> field identifier
L:5 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:7 M:282 E: Numeric Field Identifier Missing, <210> is required.
L:7 M:282 E: Numeric Field Identifier Missing, <211> is required.
L:7 M:282 E: Numeric Field Identifier Missing, <212> is required.
L:7 M:282 E: Numeric Field Identifier Missing, <213> is required.
L:7 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:1
L:92 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO: 2<211> 330<212>
PRT<213> Escherichia coli<400> 2
L:93 M:282 E: Numeric Field Identifier Missing, <211> is required.
L:93 M:282 E: Numeric Field Identifier Missing, <212> is required.
L:93 M:282 E: Numeric Field Identifier Missing, <213> is required.
L:93 M:201 W: Mandatory Header Field missing, <400> is required.
L:157 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO: 3<211> 993<212>
DNA<213> Escherichia coli<220><221> Allele<222>
L:160 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:162 M:282 E: Numeric Field Identifier Missing, <211> is required.
L:162 M:282 E: Numeric Field Identifier Missing, <212> is required.
L:162 M:282 E: Numeric Field Identifier Missing, <213> is required.
L:197 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO: 4<211> 75<212>
DNA<213> Escherichia coli<220><221> tRNA<222>
L:200 M:282 E: Numeric Field Identifier Missing, <211> is required.
L:200 M:282 E: Numeric Field Identifier Missing, <212> is required.
L:200 M:282 E: Numeric Field Identifier Missing, <213> is required.
L:200 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:4
L:207 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO: 5<211> 1545<212>
DNA<213> Escherichia coli<220><221> CDS<222>
L:210 M:282 E: Numeric Field Identifier Missing, <211> is required.
L:210 M:282 E: Numeric Field Identifier Missing, <212> is required.
L:210 M:282 E: Numeric Field Identifier Missing, <213> is required.
L:210 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:5
L:345 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO: 6<211> 514<212>
PRT<213> Escherichia coli
L:346 M:282 E: Numeric Field Identifier Missing, <211> is required.
L:346 M:282 E: Numeric Field Identifier Missing, <212> is required.
L:346 M:282 E: Numeric Field Identifier Missing, <213> is required.
L:346 M:283 W: Missing Blank Line separator, <400> field identifier
L:447 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO: 7<211> 1545<212>
DNA<213> Escherichia coli
L:449 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:452 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:455 M:282 E: Numeric Field Identifier Missing, <211> is required.
L:455 M:282 E: Numeric Field Identifier Missing, <212> is required.
L:455 M:282 E: Numeric Field Identifier Missing, <213> is required.
L:590 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO: 8<211> 514<212>
PRT<213> Escherichia coli
L:591 M:282 E: Numeric Field Identifier Missing, <211> is required.

L:591 M:282 E: Numeric Field Identifier Missing, <212> is required.
L:591 M:282 E: Numeric Field Identifier Missing, <213> is required.

VERIFICATION SUMMARY   DATE: 02/28/2006
PATENT APPLICATION: US/10/567,749   TIME: 12:03:11

        Input Set : A:\pto.da.txt
        Output Set: N:\CRF4\02282006\J567749.raw

L:591 M:283 W: Missing Blank Line separator, <400> field identifier
L:692 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO: 9<211> 1548<212>
DNA<213> Escherichia coli
L:694 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:695 M:283 W: Missing Blank Line separator, <220> field identifier
L:695 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:698 M:282 E: Numeric Field Identifier Missing, <211> is required.
L:698 M:282 E: Numeric Field Identifier Missing, <212> is required.
L:698 M:282 E: Numeric Field Identifier Missing, <213> is required.
L:777 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO: 10<211> 141<212>
PRT<213> Escherichia coli
L:778 M:282 E: Numeric Field Identifier Missing, <211> is required.
L:778 M:282 E: Numeric Field Identifier Missing, <212> is required.
L:778 M:282 E: Numeric Field Identifier Missing, <213> is required.
L:778 M:283 W: Missing Blank Line separator, <400> field identifier
L:4 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (10) Counted (9) ╱